

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/700,922

Source: \_\_\_\_\_

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## RAW SEQUENCE LISTING

DATE: 12/03/2004

PATENT APPLICATION: US/10/700,922

TIME: 10:34:48

Input Set : N:\Cr3\RULE60\10700922.raw.txt

Output Set: N:\CRF4\12032004\J700922.raw

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1 <110> APPLICANT: BERGMANN et al.
2 <120> TITLE OF INVENTION: AGENTS FOR PRE-SYMPTOMATIC DETECTION AND THERAPEUTIC
3   TARGETING OF ALZHEIMER'S DISEASE AND DOWN SYNDROME IN
4   HUMANS
5 <130> FILE REFERENCE: 830006-2000
6 <140> CURRENT APPLICATION NUMBER: US/10/700,922
7 <141> CURRENT FILING DATE: 2003-11-03
8 <150> PRIOR APPLICATION NUMBER: US/09/242,449
9 <151> PRIOR FILING DATE: 1999-02-16
11 <160> NUMBER OF SEQ ID NOS: 43
12 <170> SOFTWARE: PatentIn Ver. 2.1
14 <210> SEQ ID NO: 1
15 <211> LENGTH: 240
16 <212> TYPE: DNA
17 <213> ORGANISM: Homo sapiens
18 <400> SEQUENCE: 1
19   atggatgcag aattccgaca tgactcagga tatgaagttc atcatcaaaa attggtgttc 60
20   tttgcagaag atgtgggttc aaacaaaggt gcaatcattg gactcatggt gggcgggtgtt 120
21   gtcatagcga cagtgatcgt catcaccttg gtgatgctga agaagaaaca gtacacatcc 180
22   attcatcatg gtgtggtgga ggtaggtaaa cttgactgca tgtttccaag tgggaattaa 240
24 <210> SEQ ID NO: 2
25 <211> LENGTH: 156
26 <212> TYPE: DNA
27 <213> ORGANISM: Homo sapiens
28 <400> SEQUENCE: 2
29   atggatgcag aattccgaca tgactcagga tatgaagttc atcatcaaaa attggtacgt 60
30   aaaataattt acctctttcc actactgttt gtcttgccaa atgacctatt aactctggtt 120
31   catcctgtgc tagaaatcaa attaaggaaa agataa 156
33 <210> SEQ ID NO: 3
34 <211> LENGTH: 79
35 <212> TYPE: PRT
36 <213> ORGANISM: Homo sapiens
37 <400> SEQUENCE: 3
38   Met Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln
39   1           5           10           15
40   Lys Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile
41           20           25           30
42   Ile Gly Leu Met Val Gly Gly Val Val Ile Ala Thr Val Ile Val Ile
43           35           40           45
44   Thr Leu Val Met Leu Lys Lys Lys Gln Tyr Thr Ser Ile His His Gly
45           50           55           60
46   Val Val Glu Val Gly Lys Leu Asp Cys Met Phe Pro Ser Gly Asn
47           65           70           75

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49 <210> SEQ ID NO: 4
50 <211> LENGTH: 52
51 <212> TYPE: PRT
52 <213> ORGANISM: Homo sapiens
53 <400> SEQUENCE: 4
54     Met Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln
55         1             5             10             15
56     Lys Leu Val Arg Lys Ile Ile Tyr Leu Phe Pro Leu Leu Phe Val Leu
57             20             25             30
58     Pro Asn Asp Leu Leu Thr Leu Val His Pro Phe Val Leu Glu Ile Lys
59             35             40             45
60     Leu Arg Lys Arg
61         50
63 <210> SEQ ID NO: 5
64 <211> LENGTH: 44
65 <212> TYPE: PRT
66 <213> ORGANISM: Homo sapiens
67 <400> SEQUENCE: 5
68     Met Val Gly Gly Val Val Ile Ala Thr Val Ile Val Ile Thr Leu Val
69         1             5             10             15
70     Met Leu Lys Lys Lys Gln Tyr Thr Ser Ile His His Gly Val Val Glu
71             20             25             30
72     Val Gly Lys Leu Asp Cys Met Phe Pro Ser Gly Asn
73             35             40
75 <210> SEQ ID NO: 6
76 <211> LENGTH: 40
77 <212> TYPE: PRT
78 <213> ORGANISM: Homo sapiens
79 <400> SEQUENCE: 6
80     Met Gln Asn Ser Asp Met Thr Gln Asp Met Lys Phe Ile Ile Lys Asn
81         1             5             10             15
82     Trp Cys Ser Leu Gln Lys Met Trp Val Gln Thr Lys Val Gln Ser Leu
83             20             25             30
84     Asp Ser Trp Trp Ala Val Leu Ser
85             35             40
87 <210> SEQ ID NO: 7
88 <211> LENGTH: 20
89 <212> TYPE: PRT
90 <213> ORGANISM: Homo sapiens
91 <400> SEQUENCE: 7
92     Met Gln Asn Ser Asp Met Thr Gln Asp Met Lys Phe Ile Ile Lys Asn
93         1             5             10             15
94     Trp Tyr Val Lys
95             20
97 <210> SEQ ID NO: 8
98 <211> LENGTH: 18
99 <212> TYPE: PRT
100 <213> ORGANISM: Homo sapiens
101 <400> SEQUENCE: 8

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102      Met Trp Val Gln Thr Lys Val Gln Ser Leu Asp Ser Trp Trp Ala Val
103      1                      5                      10                      15
104      Leu Ser
106 <210> SEQ ID NO: 9
107 <211> LENGTH: 79
108 <212> TYPE: DNA
109 <213> ORGANISM: Homo sapiens
110 <400> SEQUENCE: 9
111      ttgataatta aatggtatag catggacact gacatttaca ttttttactt atgttttttg 60
112      tttttaaatg actctgcat                                     79
114 <210> SEQ ID NO: 10
115 <211> LENGTH: 37
116 <212> TYPE: DNA
117 <213> ORGANISM: Homo sapiens
118 <400> SEQUENCE: 10
119      attattatatt gaataatgaa attcatcaga acaatta                                     37
121 <210> SEQ ID NO: 11
122 <211> LENGTH: 68
123 <212> TYPE: DNA
124 <213> ORGANISM: Homo sapiens
125 <400> SEQUENCE: 11
126      gcaatttata gaaaaggaag agttcgtagg ttataaattc tgtagttgc taagaagcat 60
127      ttttaaaa                                     68
129 <210> SEQ ID NO: 12
130 <211> LENGTH: 79
131 <212> TYPE: DNA
132 <213> ORGANISM: Homo sapiens
133 <400> SEQUENCE: 12
134      ttgataatta aatggtatag catggacact gacatttaca ttttttactt atgttttttg 60
135      tttttaaatg actctgcat                                     79
137 <210> SEQ ID NO: 13
138 <211> LENGTH: 37
139 <212> TYPE: DNA
140 <213> ORGANISM: Homo sapiens
141 <400> SEQUENCE: 13
142      attattatatt gaataatgaa attcatcaga acaatta                                     37
144 <210> SEQ ID NO: 14
145 <211> LENGTH: 68
146 <212> TYPE: DNA
147 <213> ORGANISM: Homo sapiens
148 <400> SEQUENCE: 14
149      gcaatttata gaaaaggaag agttcgtagg ttataaattc tgtagttgc taagaagcat 60
150      ttttaaaa                                     68
152 <210> SEQ ID NO: 15
153 <211> LENGTH: 59
154 <212> TYPE: DNA
155 <213> ORGANISM: Homo sapiens
156 <400> SEQUENCE: 15
157      atgctcatatt ttaaaggctt ttattattat ttctgaagta atgagtgcac atggaaaaa 59

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159 <210> SEQ ID NO: 16
160 <211> LENGTH: 38
161 <212> TYPE: DNA
162 <213> ORGANISM: Homo sapiens
163 <400> SEQUENCE: 16
164      tattccagga acaaatcctt gccaacctct caaccagg      38
166 <210> SEQ ID NO: 17
167 <211> LENGTH: 26
168 <212> TYPE: DNA
169 <213> ORGANISM: Homo sapiens
170 <400> SEQUENCE: 17
171      tagcatgtat ttaaattgcag cagaag      26
173 <210> SEQ ID NO: 18
174 <211> LENGTH: 56
175 <212> TYPE: DNA
176 <213> ORGANISM: Homo sapiens
177 <400> SEQUENCE: 18
178      gaaggtttaa atatagggtta tcatttttct ttaagagtca tttatcaatt ttcttc      56
180 <210> SEQ ID NO: 19
181 <211> LENGTH: 33
182 <212> TYPE: DNA
183 <213> ORGANISM: Homo sapiens
184 <400> SEQUENCE: 19
185      ccaaataaag agcaagaata aagcaacatt tca      33
187 <210> SEQ ID NO: 20
188 <211> LENGTH: 22
189 <212> TYPE: DNA
190 <213> ORGANISM: Homo sapiens
191 <400> SEQUENCE: 20
192      ttatgcttta aaaagcaata ca      22
194 <210> SEQ ID NO: 21
195 <211> LENGTH: 47
196 <212> TYPE: DNA
197 <213> ORGANISM: Homo sapiens
198 <400> SEQUENCE: 21
199      tcctttcttt cagaatgcct attcctgtgc attaaaagtg tccctcc      47
201 <210> SEQ ID NO: 22
202 <211> LENGTH: 18
203 <212> TYPE: DNA
204 <213> ORGANISM: Homo sapiens
205 <400> SEQUENCE: 22
206      tttaaagtaa gcatcaaa      18
208 <210> SEQ ID NO: 23
209 <211> LENGTH: 39
210 <212> TYPE: DNA
211 <213> ORGANISM: Homo sapiens
212 <400> SEQUENCE: 23
213      ctttttatat aacctcatcc aaatgtcccc tgcatttaa      39
215 <210> SEQ ID NO: 24

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216 <211> LENGTH: 41
217 <212> TYPE: DNA
218 <213> ORGANISM: Homo sapiens
219 <400> SEQUENCE: 24
220      gaaaatgaaa ttcttctaatt tgcttttata aattgtaatt a      41
222 <210> SEQ ID NO: 25
223 <211> LENGTH: 6
224 <212> TYPE: DNA
225 <213> ORGANISM: Homo sapiens
226 <400> SEQUENCE: 25
227      aataaa      6
229 <210> SEQ ID NO: 26
230 <211> LENGTH: 25
231 <212> TYPE: DNA
232 <213> ORGANISM: Homo sapiens
233 <400> SEQUENCE: 26
234      gtggacaaat atcaacaccg aggac      25
236 <210> SEQ ID NO: 27
237 <211> LENGTH: 23
238 <212> TYPE: DNA
239 <213> ORGANISM: Homo sapiens
240 <400> SEQUENCE: 27
241      acatagtctt aattcccact tgg      23
243 <210> SEQ ID NO: 28
244 <211> LENGTH: 24
245 <212> TYPE: DNA
246 <213> ORGANISM: Homo sapiens
247 <400> SEQUENCE: 28
248      gtccctgcata ctttaattat gatg      24
250 <210> SEQ ID NO: 29
251 <211> LENGTH: 26
252 <212> TYPE: DNA
253 <213> ORGANISM: Homo sapiens
254 <400> SEQUENCE: 29
255      agccatcatg gaagcacact gattcg      26
257 <210> SEQ ID NO: 30
258 <211> LENGTH: 25
259 <212> TYPE: DNA
260 <213> ORGANISM: Homo sapiens
261 <400> SEQUENCE: 30
262      gtggacaaat atcaagacgg aggag      25
264 <210> SEQ ID NO: 31
265 <211> LENGTH: 25
266 <212> TYPE: DNA
267 <213> ORGANISM: Homo sapiens
268 <400> SEQUENCE: 31
269      tccttaattt gatttctagc acagg      25
271 <210> SEQ ID NO: 32
272 <211> LENGTH: 24

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**VERIFICATION SUMMARY**

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